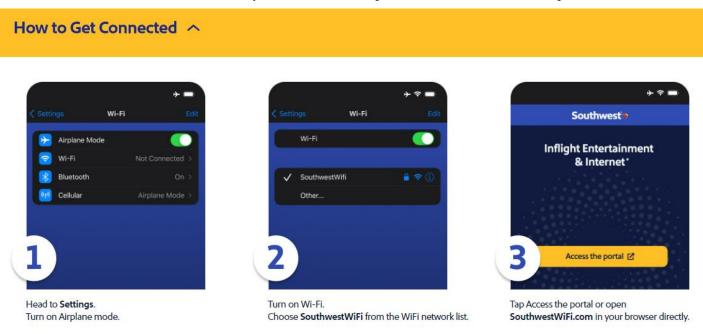
Case 7:24-cv-00277-ADA Document 56-12 Filed 07/10/25 Page 1 of 30

Exhibit 12 to Complaint Intellectual Ventures II LLC and Intellectual Ventures II LLC

Example Southwest Count 5 Systems and Services U.S. Patent No. 7,324,469 ("'469 Patent")

The Accused Systems and Services include without limitation Southwest systems and services that provide onboard WiFi in its airplanes; all past, current, and future systems and services that operate in the same or substantially similar manner as the specifically identified systems and services; and all past, current, and future Southwest systems and services that have the same or substantially similar features as the specifically identified systems and services ("Example Southwest Count 5 Systems and Services").

On information and belief, the Southwest Systems and Services provide onboard WiFi in its airplanes.



Source: https://www.southwest.com/inflight-entertainment-portal/.

¹ All sources cited in this document were publicly accessible as of the filing date of the Complaint.

2

We're excited to announce that as of yesterday, March 9, 2023, our first aircraft equipped with hardware from our new WiFi vendor, Viasat, has entered service. Viasat is an industry leader, and we're excited about the increased connectivity and reliability that Viasat will provide. As we prepare for additional Viasat-equipped aircraft deliveries, we're also making significant progress updating our existing fleet with new Anuvu hardware (our original WiFi vendor). We have now upgraded more than 400 aircraft and are well on our way to upgrading the entire fleet by the third quarter of this year.

Between our upgraded Anuvu hardware and integration of Viasat, we're bringing a faster, more reliable WiFi experience. In addition to improved WiFi quality, Viasat offers Customers the ability to trade paid internet connectivity between personal devices (known as "device swapping"). For example, if a Customer has paid for Internet using their laptop, they can use the "swap device" function in the Inflight Entertainment Portal to switch connectivity to their phone.

	Anuvu Legacy	Anuvu Upgraded	Viasat
Improved Speeds and Reliability	*	✓	✓
Streaming (when authenticated for Internet)	*	✓	✓
Device Swap	*	*	✓
Free Entertainment, Texting, and Flight Tracker	✓	✓	✓

Source: https://www.swamedia.com/southwest-stories/wifi-modernization-first-viasat-aircraft-enters-service-MC5XTXWTTLWNESJDQR4LZQBIDI2I.

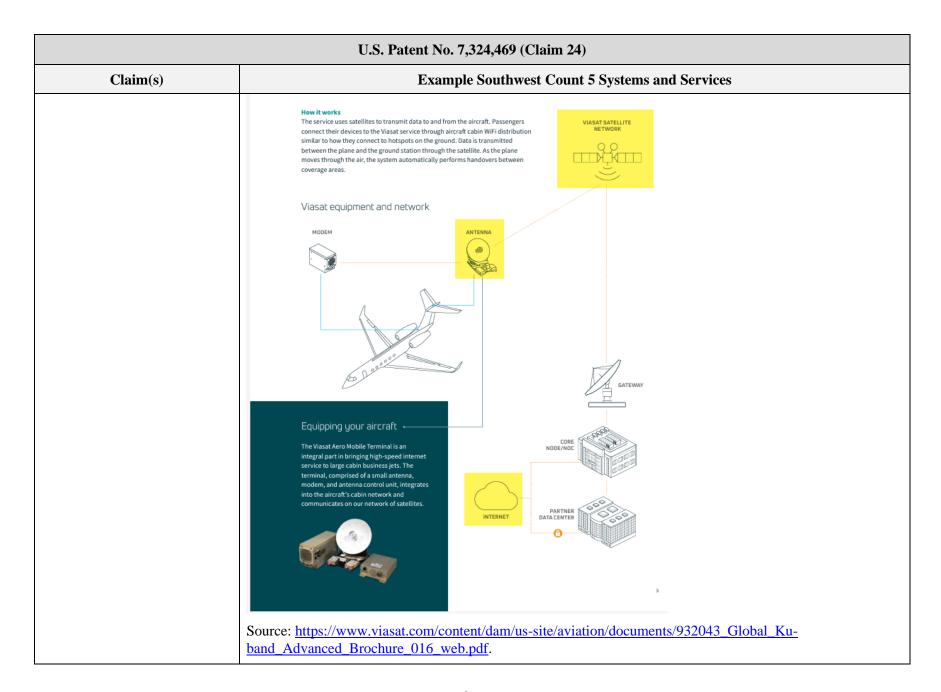
	U.S. Pa	atent No. 7,324,469 (Cla	aim 24)		
Claim(s)	Example Southwest Count 5 Systems and Services				
[24.pre] An Internet Hotspot comprising:	To the extent this preamble is limiting, on information and belief, the Southwest Count 5 Systems and So include an Internet Hotspot.			t Count 5 Systems and Services	
			d with Viasat and Anuvu ² to p quipped with Viasat and Anuv	provide its passengers with in- vu's In-Flight Connectivity	
	Viasat is an industry leader, and we're of aircraft deliveries, we're also making si more than 400 aircraft and are well on	excited about the increased connectiv gnificant progress <mark>updating our existir</mark> our way to upgrading the entire fleet	aft equipped with hardware from our new WiF ity and reliability that Viasat will provide. As we ng fleet with new Anuvu hardware (our origina by the third quarter of this year. ging a faster, more reliable WiFi experience. In	e prepare for additional Viasat-equipped I <mark>l WiFi vendor)</mark> . We have now upgraded	
	offers Customers the ability to trade paid internet connectivity between personal devices (known as "device swapping"). For example, if a Customer has paid Internet using their laptop, they can use the "swap device" function in the Inflight Entertainment Portal to switch connectivity to their phone. Anuvu Legacy Anuvu Upgraded Viasat				
	Improved Speeds and Reliability	×	✓	✓	
	Streaming (when authenticated for Internet)	×	✓	\checkmark	
	Device Swap	*	*	\checkmark	
	Free Entertainment, Texting, and Flight Tracker	\checkmark	✓	\checkmark	
	Source: https://www.swar MC5XTXWTTLWNESJI		ories/wifi-modernization-first-	viasat-aircraft-enters-service-	

² Based on publicly-available information, Plaintiffs have identified Viasat and Anuvu as Wi-Fi and/or In-Flight Connectivity (IFC) providers for Southwest. To the extent Southwest has used other IFC providers to provide satellite-based Internet connectivity to its customers, Plaintiffs reserve right to investigate such use.

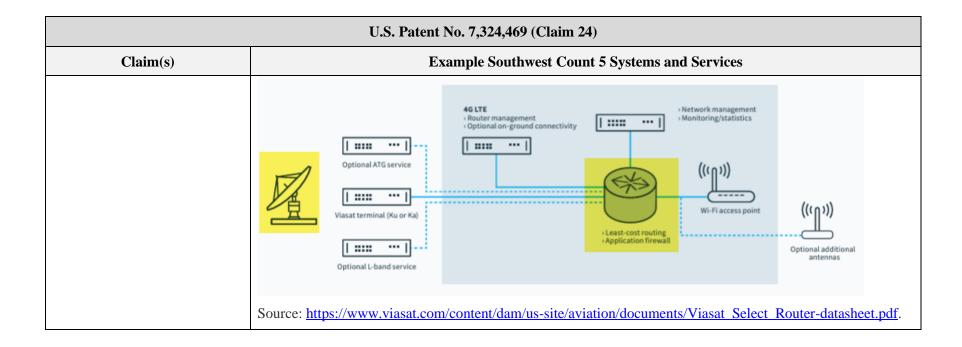
	U.S. Patent No. 7,324,469 (Claim 24)			
Claim(s)	Example Southwest Count 5 Systems and Services			
	DOES SOUTHWEST USE VIASAT?			
	Yes. Southwest airlines announced in March 2023 that new aircraft with the airline will come with factory-installed Wi-Fi connectivity powered by Viasat. The Ka-band connectivity will offer faster, reliable Wi-Fi network connections for Southwest passengers. Viasat currently offers In-Flight Connectivity services to Delta Air Lines, JetBlue, American and United. The first Viasat-equipped aircraft entered service in March 2023 for various North American routes. Viasat is proud to have been selected as the provider in this partnership.			
	The connectivity will use three large Ka-band satellites, Viasat-1, Viasat-2 and the recently launched Viasat-3 once it completes in-orbit testing, which is expected to be late summer or the fall of 2023. Viasat is a global communications company that provides high-speed satellite internet and other communication services. It operates a satellite network that delivers broadband internet access to residential, commercial, and government customers, particularly in areas where traditional wired internet infrastructure is limited or unavailable.			
	Source: https://www.rsinc.com/does-southwest-use-viasat.php . Southwest, serving more than 100 million passengers each year, continues to offer the most comprehensive inflight entertainment and connectivity experience at all phases of flight, which now includes:			
	 Inflight WiFi available from gate-to-gate for \$8 per device per day iMessage, available from gate-to-gate for \$2 per day, for iPhone users with iOS5 or later Live Television streamed directly to passengers' own personal electronic devices, free of charge, courtesy of DISH Video-on-Demand television content and movies 			
	Powered by Global Eagle's satellite-based connectivity platform, the new service—in sync with gate-to-gate Wi-Fi—is also optimized to work in all phases of flight, including on the ground.			
	Source: https://www.anuvu.com/our-company/press-releases/detail/30/southwest-airlines-and-global-eagle-entertainment-announce-launch-of-gate-to-gate-messaging-on-all .			

U.S. Patent No. 7,324,469 (Claim 24)				
Claim(s)	Example Southwest Count 5 Systems and Services			
[24.a] a satellite dish communicating with the	On information and belief, the Southwest Count 5 Systems and Services include a satellite dish communicating with the Internet via one or more data links with a satellite.			
Internet via one or more data links with a satellite;	On information and belief, Southwest's aircraft are equipped with Viasat In-Flight Connectivity (IFC). This functionality uses satellite technology that communicates with the Internet through data links. We're excited to announce that as of yesterday, March 9, 2023, our first aircraft equipped with hardware from our new WiFi vendor, Viasat, has entered service, Viasat is an industry leader, and we're excited about the increased connectivity and reliability that Viasat will provide. As we prepare for additional Viasat-equipped aircraft deliveries, we're also making significant progress updating our existing fleet with new Anuvu hardware (our original WiFi vendor). We have now upgraded more than 400 aircraft and are well on our way to upgrading the entire fleet by the third quarter of this year. Between our upgraded Anuvu hardware and integration of Viasat, we're bringing a faster, more reliable WiFi experience. In addition to improved WiFi quality, Viasat offers Customers the ability to trade paid internet connectivity between personal devices (known as "device swapping"). For example, if a Customer has paid for Internet using their laptop, they can use the "swap device" function in the Inflight Entertainment Portal to switch connectivity to their phone.			
		Anuvu Legacy	Anuvu Upgraded	Viasat
	Improved Speeds and Reliability	×	✓	✓
	Streaming (when authenticated for Internet)	×	✓	✓
	Device Swap	*	*	✓
	Free Entertainment, Texting, and Flight Tracker	✓	✓	✓
	Source: https://www.swamedia.com/southwest-stories/wifi-modernization-first-viasat-aircraft-enters-sembles: ht			

U.S. Patent No. 7,324,469 (Claim 24)					
Claim(s)	Example Southwest Count 5 Systems and Services				
	DOES SOUTHWEST USE VIASAT?				
	Yes. Southwest airlines announced in March 2023 that new aircraft with the airline will come with factory-installed Wi-Fi connectivity powered by Viasat. The Ka-band connectivity will offer faster, reliable Wi-Fi network connections for Southwest passengers. Viasat currently offers In-Flight Connectivity services to Delta Air Lines, JetBlue, American and United. The first Viasat-equipped aircraft entered service in March 2023 for various North American routes. Viasat is proud to have been selected as the provider in this partnership. The connectivity will use three large Ka-band satellites, Viasat-1, Viasat-2 and the recently launched Viasat-3 once it completes in-orbit testing, which is expected to be late summer or the fall of 2023. Viasat is a global communications company that provides high-speed satellite internet and other communication services. It operates a satellite network that delivers broadband internet access to residential, commercial, and government customers, particularly in areas where traditional wired internet infrastructure is limited or unavailable. Source: https://www.rsinc.com/does-southwest-use-viasat.php .				
	ViaSat-3 is a constellation of three ultra-high-capacity Ka-band geostationary satellites currently in production. The first and second payloads have already been sent to Boeing Satellite Systems for integration with the 702MP+ bus (spacecraft). This is a modified version of Boeing's 702 bus with a good deal more power (greater than 25kW per satellite), and they are expected to make the ViaSat-3 satellites some of the most high-powered ones ever built. To produce that power, the four solar panels of the traditional 702MP have been bumped to eight. These solar cells are similar to the ones used in the original Apollo moon missions and have powered more than 1,000 satellites around the globe. Source: https://news.viasat.com/blog/scn/what-is-viasat3.				



U.S. Patent No. 7,324,469 (Claim 24)					
Claim(s)	Example Southwest Count 5 Systems and Services				
	On information and belief, Anuvu functions similarly to Viasat.				
	Our hybrid satellite network combines our own satellites with capacity on over 50 third-party satellites, providing scalable capacity, reliability and redundancy, and cost-effective solutions for our customers.				
	As the industry pioneer in regional and gigabit-class cruise ship connectivity, Anuvu has continuously invested in new technologies to keep pace with end-user expectations. We recognize the importance of reliable, fast, global connectivity for our customers around the world. Our hybrid network, consisting of high-throughput geostationary satellites and 4G/5G mobile connectivity, builds on the industry's first and most capable SD-WAN platform optimized for aviation and maritime applications.				
	Source: https://www.anuvu.com/our-portfolio/connectivity.				
[24.b] at least one router operatively coupled to the	On information and belief, the Southwest Count 5 Systems and Services include at least one router operatively coupled to the satellite dish.				
satellite dish;	On information and belief, Southwest's aircraft are equipped with Wi-Fi and/or IFC that includes a router that is connected to a satellite antenna mounted about the plane that communicates using a satellite and ground stations.				
	Viasat Select Router				
	Redefining the in-flight connectivity experience				

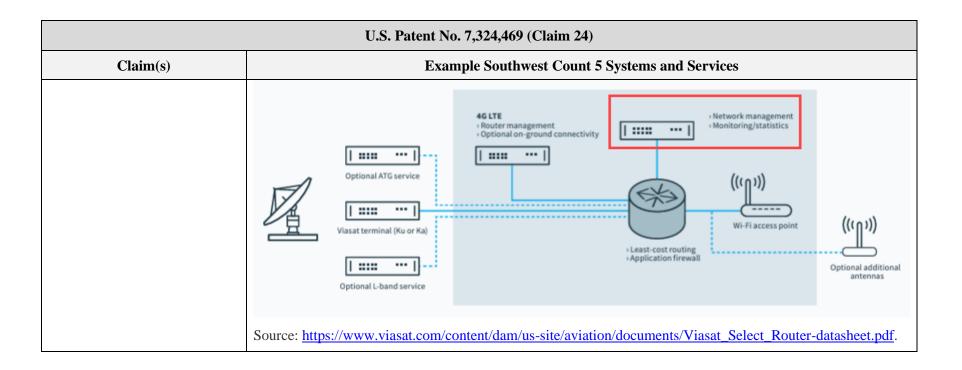


U.S. Patent No. 7,324,469 (Claim 24)				
Claim(s)	Example Southwest Count 5 Systems and Services			
	How it works The service uses satellites to transmit data to and from the aircraft. Passengers connect their devices to the Viasat service through aircraft cabin WiFi distribution similar to how they connect to hotspots on the ground. Data is transmitted between the plane and the ground station through the satellite. As the plane moves through the air, the system automatically performs handovers between coverage areas.			
	Viasat equipment and network			
	MODEM ANTENNA ANTENNA GATEWAY			
	Source: https://www.viasat.com/content/dam/us-site/aviation/documents/932043 Global Kuband_Advanced_Brochure_016_web.pdf.			

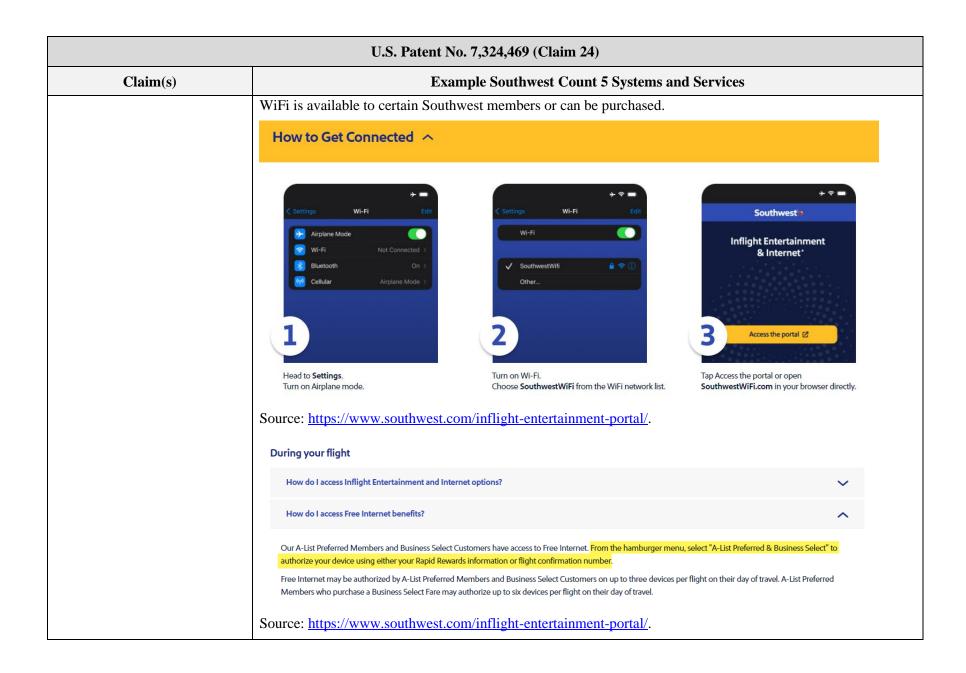
U.S. Patent No. 7,324,469 (Claim 24)				
Example Southwest Count 5 Systems and Services				
Issat.com/content/dam/us-site/aviation/documents/Viasat_Select_Router-datasheet.pdf. ef, Southwest offers WiFi solutions (through its IFC providers) that support satellite- ef yesterday, March 9, 2023, our first aircraft equipped with hardware from our new WiFi vendor, Viasat, has entered service, re excited about the increased connectivity and reliability that Viasat will provide. As we prepare for additional Viasat-equipped g significant progress updating our existing fleet with new Anuvu hardware (our original WiFi vendor). We have now upgraded on our way to upgrading the entire fleet by the third quarter of this year. ware and integration of Viasat, we're bringing a faster, more reliable WiFi experience. In addition to improved WiFi quality, Viasat paid internet connectivity between personal devices (known as "device swapping"). For example, if a Customer has paid for				

U.S. Patent No. 7,324,469 (Claim 24)						
Claim(s)	Example Southwest Count 5 Systems and Services					
	Anuvu Legacy Anuvu Upgraded Viasat					
	Improved Speeds and Reliability	×	✓	✓		
	Streaming (when authenticated for Internet)	*	✓	✓		
	Device Swap	*	*	\checkmark		
	Free Entertainment, Texting, and Flight Tracker					
	Source: https://www.swamedia.com/southwest-stories/wifi-modernization-first-viasat-aircraft-enters-service-MC5XTXWTTLWNESJDQR4LZQBIDI2I . DOES SOUTHWEST USE VIASAT? Yes. Southwest airlines announced in March 2023 that new aircraft with the airline will come with factory-installed Wi-Fi connectivity powered by Viasat. The Ka-band connectivity will offer faster, reliable Wi-Fi network connections for Southwest passengers. Viasat currently offers In-Flight Connectivity services to Delta Air Lines, JetBlue, American and United. The first Viasat-equipped aircraft entered service in March 2023 for various North American routes. Viasat is proud to have been selected as the provider in this partnership. The connectivity will use three large Ka-band satellites, Viasat-1, Viasat-2 and the recently launched Viasat-3 once it completes in-orbit testing, which is expected to be late summer or the fall of 2023. Viasat is a global communications company that provides high-speed satellite internet and other communication services. It operates a satellite network that delivers broadband internet access to residential, commercial, and government customers, particularly in areas where traditional wired internet infrastructure is limited or unavailable. Source: https://www.rsinc.com/does-southwest-use-viasat.php .					

U.S. Patent No. 7,324,469 (Claim 24)					
Claim(s)	Example Southwest Count 5 Systems and Services				
	Our hybrid satellite network combines our own satellites with capacity on over 50 third-party satellites, providing scalable capacity, reliability and redundancy, and cost-effective solutions for our customers.				
	As the industry pioneer in regional inflight Connectivity and gigabit-class cruise ship connectivity, Anuvu has continuously invested in new technologies to keep pace with end-user expectations. We recognize the importance of reliable, fast, global connectivity for our customers around the world. Our hybrid network, consisting of high-throughput geostationary satellites and 4G/5G mobile connectivity, builds on the industry's first and most capable SD-WAN platform optimized for aviation and maritime applications. Source: https://www.anuvu.com/our-portfolio/connectivity.				
[24.c] a subscriber access unit operatively coupled between the satellite dish and the at least one router, the subscriber access unit being capable of authenticating a subscription account associated with a user prior to allowing the user access to the Internet; and	On information and belief, the Southwest Count 5 Systems and Services include a subscriber access unit operatively coupled between the satellite dish and the at least one router, the subscriber access unit being capable of authenticating a subscription account associated with a user prior to allowing the user access to the Internet. On information and belief, the IFC includes a satellite antenna, multiple WAPs, and an onboard server that hosts information passenger-focused services.				



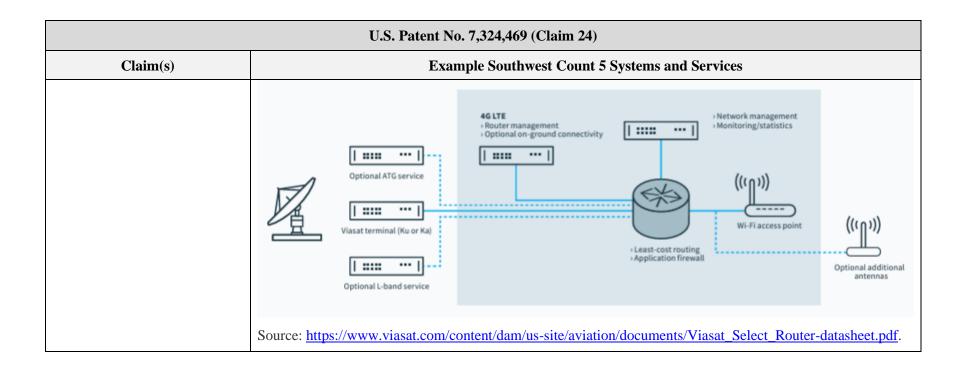
	U.S. Patent No. 7,324,469 (Claim 24)				
Claim(s)	Example Southwest Count 5 Systems and Services				
	How it works The service uses satellites to transmit data to and from the aircraft. Passengers connect their devices to the Viasat service through aircraft cabin WiFi distribution similar to how they connect to hotspots on the ground. Data is transmitted between the plane and the ground station through the satellite. As the plane moves through the air, the system automatically performs handovers between coverage areas.				
	Viasat equipment and network				
	MODEM ANTENNA Becomes GATEWAY				
	Source: https://www.viasat.com/content/dam/us-site/aviation/documents/932043_Global_Ku-band_Advanced_Brochure_016_web.pdf .				
	On information and belief, Southwest passengers authenticate themselves on the SouthwestWiFi.com web portal to access in-flight Wi-Fi using on-board server(s). The authentication completes when the user enters their login credentials on the portal. Limited free Wi-Fi is available to passengers, and upgraded high-speed				

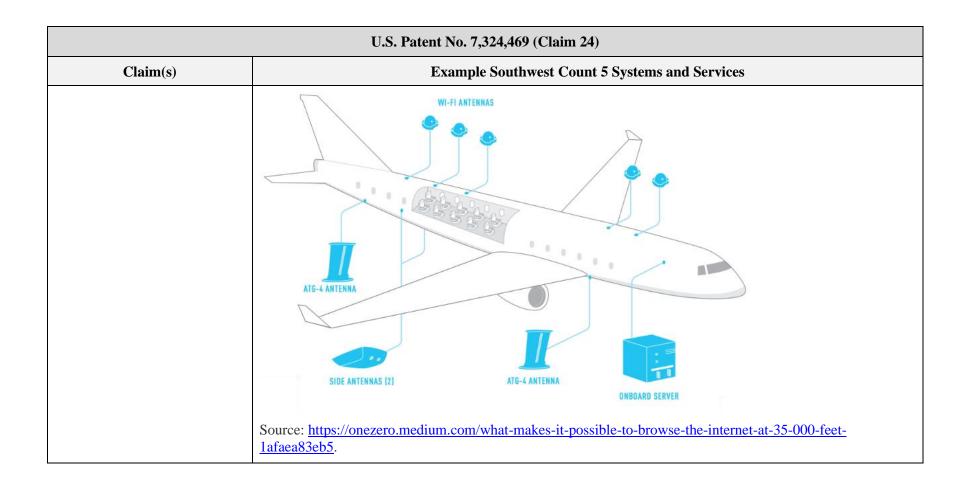


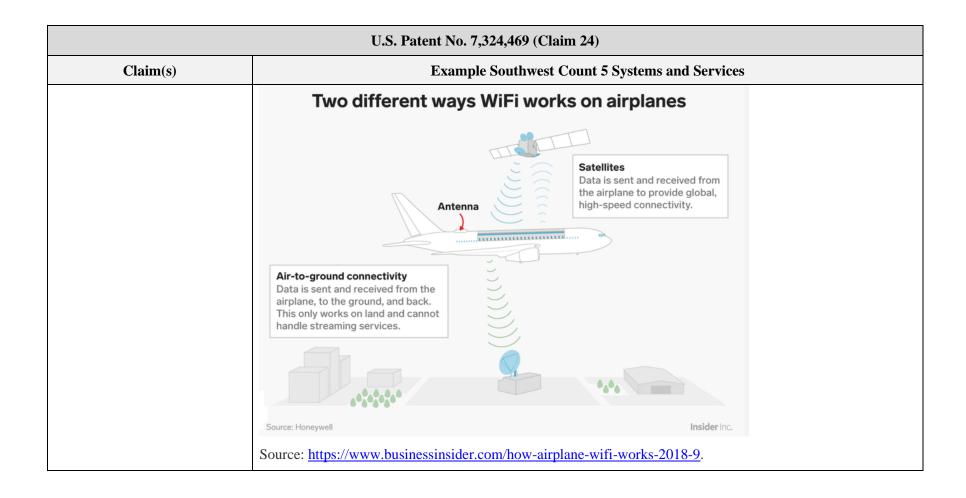
U.S. Patent No. 7,324,469 (Claim 24)				
Claim(s)	Example Southwest Count 5 Systems and Services			
[24.d] a web-ready device operatively coupled to the at least one router, the web-ready device having a browser application operating thereon for accessing the Internet;	operatively coupled to the at least thereon for accessing the Internet.	west enables access to onboard WiFi th	a browser application operating	
	Settings Wi-Fi Edit Airplane Mode Wi-Fi Not Connected > Bluetooth On > Cellular Airplane Mode > Head to Settings. Turn on Airplane mode. Source: https://www.southwest.co	Free Entertainment ¹ y of new releases and long-time Customer favorites, all movies are sign-ups required!	Southwest Inflight Entertainment & Internet Internet Access the portal or open SouthwestWiFi.com in your browser directly.	

U.S. Patent No. 7,324,469 (Claim 24)						
Claim(s)	Example Southwest Count 5 Systems and Services					
	•	Stay Connected you connected to what matters to you-even when you're in the air. Access the portal to enjoy free texting and \$8 Internet. 4				
	Free Texting	\$8 Internet				
	Keep those texts flying with iMessage and WhatsApp on your personal device. Visit the Texting page in Portal to activate service.	Go online to check email, browse social media, or snag a dinner reservation for just \$8 (free for our A-List Preferred Members and Business Select Customers) per device from takeoff to landing.				
		Note: In order to provide a better experience, we may prohibit access to certain high-bandwidth applications, websites, and video conferencing services. In consideration of the public environment onboard we may also restrict potentially offensive online content.				
	Source: https://www.southwest.com/inflight-ente	https://www.southwest.com/inflight-entertainment-portal/.				
[24.e] wherein the satellite dish, at least one router and the subscriber access unit are located in a remote location a experiencing a relatively high volume of transient traffic;	On information and belief, the Southwest Count 5 Systems and Services include a satellite dish, at least one router, and a subscriber access unit, where the satellite dish, at least one router and the subscriber access unit are located in a remote location a experiencing a relatively high volume of transient traffic.					

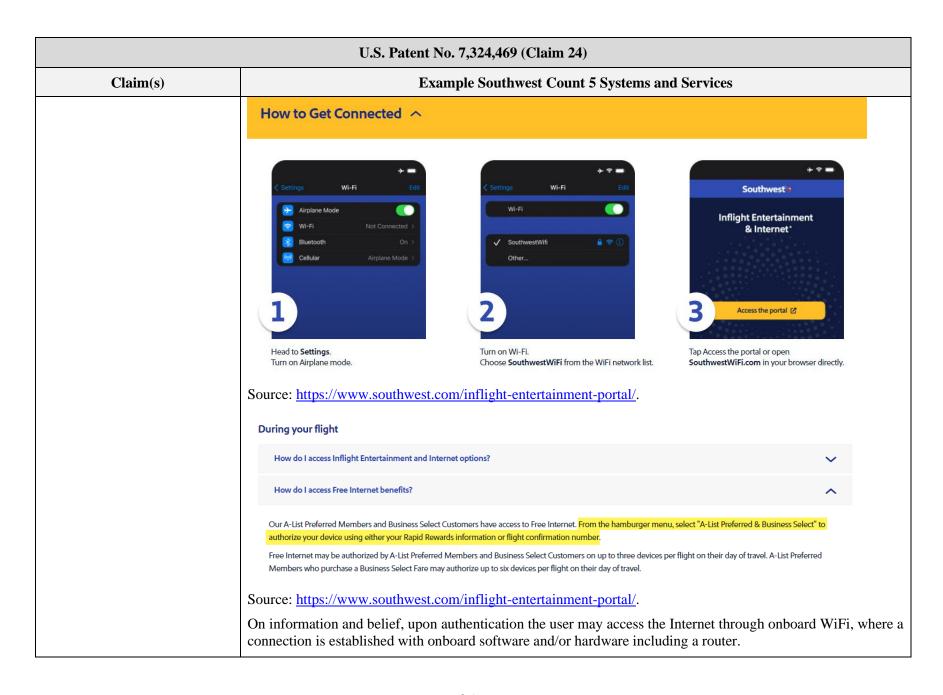
U.S. Patent No. 7,324,469 (Claim 24)				
Claim(s)	Example Southwest Count 5 Systems and Services			
	How it works The service uses satellites to transmit data to and from the aircraft. Passengers connect their devices to the Viasat service through aircraft cabin WiFi distribution similar to how they connect to hotspots on the ground. Data is transmitted between the plane and the ground station through the satellite. As the plane moves through the air, the system automatically performs handovers between coverage areas.			
	Viasat equipment and network			
	MODEM ANTENNA ANTENNA GATEWAY			
	Source: https://www.viasat.com/content/dam/us-site/aviation/documents/932043_Global_Ku-band_Advanced_Brochure_016_web.pdf .			

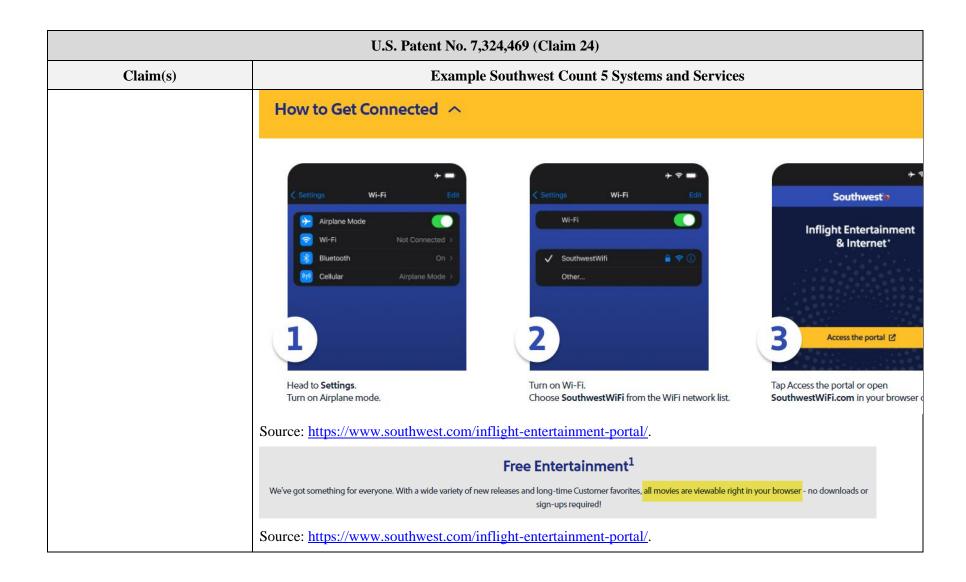






		U.S. P	atent N	No. 7,324,40	59 (Claim 24)	
Claim(s)	Example Southwest Count 5 Systems and Services					
Southwest Airlines fleet						
	Aircraft	In service	Orders	Passengers	Notes	
	Boeing 737-700	374	_	143	Launch customer and largest operator. ^[15] Older aircraft to be replaced by Boeing 737 MAX 7.	
	Boeing 737-800	205	_	175	To be replaced by Boeing 737 MAX 8.	
	Boeing 737 MAX 7	_	307	150 ^[33]	Deliveries begin in 2025. ^[34] To replace older Boeing 737-700s. ^[35]	
	Boeing 737 MAX 8	239	166	175	Largest Boeing 737 MAX operator. To replace Boeing 737-700s. ^[35]	
	Total	818	473			
	Source: https://er	ı.wikiped	dia.org/	wiki/South	west_Airlines_fleet.	
[24.f] wherein the user may authenticate the subscription account and access the Internet		subscrip	tion ac	count and	access the Internet at the remo	include WiFi where the user may ote location by establishing a data
at the remote location by establishing a data connection between the web-ready device and the router.	On information and belief, Southwest passengers authenticate themselves on the SouthwestWiFi.com web portal to access in-flight Wi-Fi. The authentication completes when the user enters their login credentials on the portal through seatback and/or user devices. Limited free Wi-Fi is available to passengers, and upgraded high-speed WiFi is available to certain Southwest members or can be purchased.					





U.S. Patent No. 7,324,469 (Claim 24)						
Claim(s)	Example Southwest Count 5 Systems and Services					
	Stay Connected Keeping you connected to what matters to you-even when you're in the air. Access the portal to enjoy free texting ² and \$8 Internet. ⁴					
	Free Texting	\$8 Internet				
	Keep those texts flying with iMessage and WhatsApp on your personal device. Visit the Texting page in Portal to activate service.	Go online to check email, browse social media, or snag a dinner reservation for just \$8 (free for our A-List Preferred Members and Business Select Customers) per device from takeoff to landing.				
		Note: In order to provide a better experience, we may prohibit access to certain high-bandwidth applications, websites, and video conferencing services. In consideration of the public environment onboard we may also restrict potentially offensive online content.				
	Source: https://www.southwest.com/inflight-enter	ertainment-portal/.				

U.S. Patent No. 7,324,469 (Claim 24)			
Claim(s)	Example Southwest Count 5 Systems and Services		
	Source: https://onezero.medium.com/what-makes-it-possible-to-browse-the-internet-at-35-000-feet-lafaea83eb5. On information and belief, Southwest offers WiFi solutions on its airplanes that support satellite-based WiFi.		

U.S. Patent No. 7,324,469 (Claim 24)					
Claim(s)	Example Southwest Count 5 Systems and Services				
		Anuvu Legacy	Anuvu Upgraded	Viasat	
	Improved Speeds and Reliability	×	✓	✓	
	Streaming (when authenticated for Internet)	×	✓	\checkmark	
	Device Swap	*	*	\checkmark	
	Free Entertainment, Texting, and Flight Tracker	✓	✓	✓	
	Yes. Southwest airlines announced in M Ka-band connectivity will offer faster, r to Delta Air Lines, JetBlue, American an proud to have been selected as the prov The connectivity will use three large Ka expected to be late summer or the fall of communication services. It operates as	March 2023 that new aircraft with the air reliable Wi-Fi network connections for Stand United. The first Viasat-equipped airc vider in this partnership. Be-band satellites, Viasat-1, Viasat-2 and of 2023. Viasat is a global communication satellite network that delivers broadban wired internet infrastructure is limited or	line will come with factory-installed Wi-Fi consociated with factory-installed Wi-Fi consociated with the service in March 2023 for various In the recently launched Viasat-3 once it completes company that provides high-speed satellites in dinternet access to residential, commercial, and runavailable.	n-Flight Connectivity services North American routes. Viasat is tes in-orbit testing, which is internet and other	

U.S. Patent No. 7,324,469 (Claim 24)					
Example Southwest Count 5 Systems and Services					
Our hybrid satellite network combines our own satellites with capacity on over 50 third-party satellites, providing scalable capacity, reliability and redundancy, and cost-effective solutions for our customers. As the industry pioneer in regional Inflight Connectivity and gigabit-class cruise ship connectivity, Anuvu has continuously invested in new technologies to keep pace with end-user expectations. We recognize the importance of reliable, fast, global connectivity for our customers around the world. Our hybrid network, consisting of high-throughput geostationary satellites and 4G/5G mobile connectivity, builds on the industry's first and most capable SD-WAN platform optimized for aviation and maritime applications.					